



Hybrid Inverter

OFS1.2K-S1-FK , OSS3.6K-S1-FK
ODS5K-S1-F , OTS6/8/10/12K-S1-F



IP21 Protection
Design for Anti-Dust
and Waterproof



LCD Color
Screen Operation



Dual back
up output



Wi-Fi Smart
Monitoring Platform



Single PV
Operation Supported



Max. efficiency > 95%



Support dry contact
starting generator (Optional)



The maximum
current of single
string module is 27A



Support up to 9 unit
in parallel (Optional)



MPPT Wide
Voltage Range: 60-450V



Supports three-phase output after
single-phase parallel operation

< 10
ms

Power supply can be switched
automatically and switching time within 10ms



Technical Specification



Technical Data	OFS1.2K-S1-FK	OSS3.6K-S1-FK	ODS5K-S1-F	OTS6K-S1-F	OTS8K-S1-F	OTS10K-S1-F	OTS12K-S1-F
Rated Power	1200VA/1200W	3600VA/3600W	5000VA/5000W	6000VA/6000W	8000VA/8000W	10000VA/10000W	12000VA/12000W
PV input data							
Max. PV Input Power(W)	800	5000	9000	9000	2×7500	2×7500	2×7500
Max. PV Input Voltage(V)	115	500					
MPPT Voltage Range(V)	17-115	40-450	60-450				
Max. Current per MPPT (A)	18	18	27	27	27/27	27/27	27/27
Number of MPP Trackers	1	1	1	1	2	2	2
AC Output Data							
Rated AC Output Power (W)	1200	3600	5000	6000	8000	10000	12000
Rated Output Current(A)	5.21	15.65	21.73	26.08	34.78	43.47	52.2
Peak Output Power, Time	60s@102%-110% Load; 10s@110%-130% Load	60s@102%-110% Load; 10s@110%-130% Load	60S@102%-125% Load; 10S@>125% Load	60S@102%-120% Load; 10S@>120% Load	60S@102%-125% Load; 10S@>125% Load	60S@102%-125% Load; 10S@>125% Load	60S@102%-125% Load; 10S@>125% Load
Rated voltage	220/230/240VAC						
Rated Frequency	50/60Hz						
Switch Time(ms)	10mS (@UPS)						
Output Voltage Waveform	Pure Sine Wave						
Max Efficiency	98.00%						
AC Input Data							
Rated voltage	220/230/240V 220/230/240VAC						
Voltage range(V)	90-280VAC±3V (Normal mode) 170-280VAC±3V (UPS mode)						
Input Type	L+N+PE						
Rated Frequency	50/60Hz						
Feed in grid Current(A)	5.21	15.65	21.73	26.08	34.78	43.47	52.2
Battery input data							
Battery Type	Lithium, Lead-acid						
Battery Voltage (V)	12	24	24	48	48	48	48
Max. Charging Current (A)	100	100	160	120	160	160	160
Float Charging Voltage(V)	13.8	27	27	54	54	54	54
Protection							
Integrated	Over Current Protection/ Over and under Voltage Protection//Output Short Circuit Protection/Over-temperature protection/Over and under Frequency Protection/Surge Protection						
General Data							
Display	LCD						
Operating Temperature Range	-10~60°C						
Dimension (W x H x D) (mm)	301*217*97	420*284*94	410*336*110	410*336*110	480*410*120mm	480*410*120mm	480*410*120
Weight(kg)	3.6	6.5	9.5	10	15.1	15.1	15.1
Installation method	Wall-mounted						
Relative Humidity	5% ~ 95% (Non-condensing)						
Max. Operating Altitude(m)	Derating over 1000m,Max 4000m, Refer to IEC62040						
Protection Degree	IP21						
Communication	RS485/CAN/RS232						
Number of parallel	/	/	/	9	/	/	/
Standard	IEC61683,IEC61000,IEC 62109-1/2						

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